



N 09/815,746

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|             |   |                 |                           |
|-------------|---|-----------------|---------------------------|
| Applicant:  | MAO ET AL.  | Examiner:       | ALLEN T. CAO              |
| Serial No.: | 09/815,746  | Group Art Unit: | 2652                      |
| Filed:      | MARCH 23, 2001  | Docket No.:     | STL9532/<br>30874.101USU1 |
| Title:      | SPIN VALVE HEAD USING HIGH-COERCIVITY HARD BIAS LAYER |                 |                           |

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 2/6/04.

By:

Name:

*Andrea L. Endris*  
*Andrea L. Endris*

AMENDMENT AND RESPONSE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



FEB 12 2004

Technology Center 2600

Dear Sir:

In response to the Office Action mailed November 7, 2003, please amend the above-identified application as follows:

**Amendments to the Specification** are shown beginning at page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims that begins on page 3 of this paper.

**Remarks** begin on page 7 of this paper.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2652

Applicant: MAO ET AL. Examiner: A. CAO  
Serial No.: 09/815,746 Group Art Unit: 2652  
Filed: MARCH 23, 2001 Docket: STL 9532.00/30874.101USU1  
Confirmation No.: 6228 Due Date: FEBRUARY 7, 2004  
Title: SPIN VALVE HEAD USING HIGH-COERCIVITY HARD BIAS LAYER

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: , Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 6, 2004.

By:

Name: Andrea Endris

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**23552**

PATENT TRADEMARK OFFICE

Sir:

**RECEIVED**

FEB 12 2004

Technology Center 2600

We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Amendment and Response
- ☒ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.  
P.O. Box 2903, Minneapolis, MN 55402-0903  
612.332.5300

By:

Name: Joshua N. Randall

Reg. No.: 50,719

JNR:ac